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0009172267
WPI Acc no: 1999-095225/199908
XRAM Acc no: C1999-027972
New pyrazole derivatives - useful for treating TNF mediated disorders and p38 kinase med
Patent Assignee: SEARLE & CO G D (SEAR); HANSON G J (HANS-I); LIAO S (LIAO-I)
Inventor: HANSON G J; LIAO S

Patent Family (8 patents, 81 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 1998052941	A1	19981126	WO 1998US11684	A	19980522	199908	B
AU 199877268	A	19981211	AU 199877268	A	19980522	199917	E
EP 1019394	A1	20000719	EP 1998925277	A	19980522	200036	E
			WO 1998US11684	A	19980522		
US 6087381	A	20000711	US 199747569	P	19970522	200037	E
			US 199883724	A	19980522		
JP 2002502380	W	20020122	JP 1998550759	A	19980522	200211	E
			WO 1998US11684	A	19980522		
US 6503930	B1	20030107	US 199747569	P	19970522	200306	E
			US 199883724	A	19980522		
			US 2000540464	A	20000331		
US 20030144529	A1	20030731	US 199747569	P	19970522	200354	E
			US 199883724	A	19980522		
			US 2000540464	A	20000331		
			US 2002267650	A	20021009		
US 6852740	B2	20050208	US 199747569	P	19970522	200511	E
			US 199883724	A	19980522		
			US 2000540464	A	20000331		
			US 2002267650	A	20021009		

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Patent Details

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Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW				
AU 199877268	A	EN		Based on OPI patent	WO 1998052941
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				Based on OPI patent	WO 1998052941
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US 6087381	A	EN		Related to Provisional	US 199747569
JP 2002502380	W	JA	116	PCT Application	WO 1998US11684
				Based on OPI patent	WO 1998052941
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				Division of application	US 199883724
				Division of patent	US 6087381
US 20030144529	A1	EN		Related to Provisional	US 199747569
				Continuation of application	US 199883724
				Continuation of application	US 2000540464
				Continuation of patent	US 6087381
				Continuation of patent	US 6503930
US 6852740	B2	EN		Related to Provisional	US 199747569
				Continuation of application	US 199883724
				Continuation of application	US 2000540464
				Continuation of patent	US 6087381
				Continuation of patent	US 6503930

Alerting Abstract WO A1

Pyrazole derivatives of formula (I), their salts and tautomers, are new. R1 = hydrido, 1-20C alkyl, 3-12C cycloalkyl, 2-20C alkenyl, 3-12C cycloalkenyl, 2-20C alkynyl, aryl, heterocyclyl, 3-12C cycloalkyl 1-20C alkylene, 3-12C cycloalkenyl 1-20C alkylene, halo 1-20C alkyl, hydroxy 1-20C alkyl, hydroxy 2-20C alkenyl, hydroxy 2-20C alkynyl, aryl 1-20C alkyl, aryl 1-20C alkenyl, aryl 1-20C alkynyl, heterocyclyl 1-20C alkylene, 1-20C alkoxy 1-20C alkyl, aryloxy 1-20C alkyl, heterocyclyloxy 1-20C alkyl, mercapto 1-20C alkyl, mercaptoaryl, mercaptoheterocyclyl, 1-20C alkylthio 1-20C alkylene, arylthio 1-20C alkylene, amino, 1-20C alkylamino, arylamino, amino 1-20C alkyl, aminoaryl, 1-20C alkylamino 1-20C alkylene or heterocyclyl 1-20C alkylene; Q = oxy, thio, 1-20C alkylene, 1-20C alkylenylene, 1-20C alkylynylene, sulphinyl, sulphonyl, CO, CH(OH), N(R12), CONR6, N(R6)CO, N(R9)CON(R10), SO2N(R11), C(R7)(R8)CO or a group of formula (a) or (b); group (b) = 4- 8-membered ring heterocyclylidenyl comprising one or more heteroatoms selected from O, S and N; n = 1-7; R2 = aryl optionally substituted by one or more halo, 1-20C alkyl, 2-20C alkenyl, 2-20C alkynyl, aryl, heterocyclyl, 1-20C alkoxy, 2-20C alkenoxy, 2-20C alkynoxy, aryloxy, heterocyclyloxy, aryl 1-20C alkoxy, 1-20C alkylthio, arylthio, 1-20C alkylsulphinyl, arylsulphinyl, 1-20C alkylsulphonyl, arylsulphonyl, amino, 1-20C alkylamino, 2-20C alkenylamino, 2-20C alkynylamino, arylamino, heterocyclylamino, amino 1-20C alkyl, aminocarbonyl, cyano, hydroxyl, hydroxy 1-20C

alkyl, 1-20C alkoxycarbonyl, aryloxycarbonyl, heterocyclyloxycarbonyl, formyl, nitro, nitro 1- alkylsulphinyl, halo 1-20C alkylsulphonyl, 1-20C alkylcarbonyl, arylcarbonyl, heterocyclylcar more halo, 1-20C alkyl, 1-20C alkoxy, 1-20C alkylthio, 1-20C alkylsulphinyl, 1-20C alkylsul aryl 1-20C alkyl, aryl 1-20C alkyloxy, aryl 1-20C alkylthio, aryl 1-20C alkylamino, aminosul halosulphonyl, amino 1-20C alkyl, halo 1-20C alkyl or 1-20C alkylcarbonyl; R4 = hydrido, 1- alkenyl, 3-12C cycloalkylenyl, 1-20C alkoxy, 1-20C alkylthio, arylthio, carboxy, 1-20C alkox heterocyclyl 1-20C alkyl, amino, 1-20C alkylamino, 2-20C alkynylamino, arylamino, heteroc aminoheterocyclylamino, the aryl, heterocyclyl, 3-12C cycloalkyl and 3-12C cycloalkenyl gr 20C alkenyl, 2-20C alkynyl, 1-20C alkoxy, aryloxy, aralkoxy, halo 1-20C alkyl or 1-20C alky heterocyclylamino 1-20C alkyl being optionally substituted by one or more 1-20C alkyl; R6, R8 = hydrido, 1-20C alkyl, 2-20C alkenyl or 2-20C alkynyl or together form a 3- to 8-mem USE - (I) are useful for treating TNF mediated disorders and p38 kinase mediated disorder: arthritis and asthma. The disorders are bone resorption, graft vs. host reaction, atheroscle inflammatory disease state, adult respiratory distress syndrome, asthma, chronic pulmonar thrombus, glomerulonephritis, Crohn's disease, ulcerative colitis, inflammatory bowel diseas ADVANTAGE - None given.

Title Terms /Index Terms/Additional Words: NEW; PYRAZOLE; DERIVATIVE; USEFUL; TRI

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
C07D-401/04			Main		"Version 7"
A61K-031/4439; A61K-031/496; A61P-001/00; A61P-001/04; A61P-011/00; A61P-011/06; A61P-013/12; A61P-017/06; A61P-019/02; A61P-019/06; A61P-019/10; A61P-029/00; A61P-037/06; A61P-043/00; A61P-007/02; A61P-009/00; A61P-009/10			Secondary		"Version 7"
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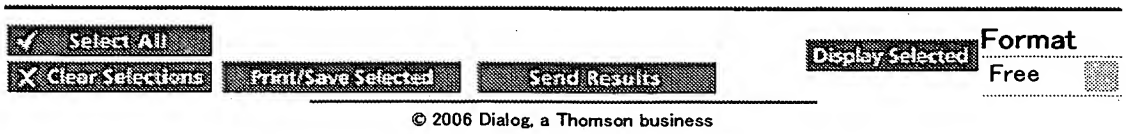

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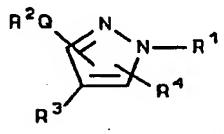
(57) Abstract

A class of pyrazole derivatives is described for use in treating p38 kinase mediated disorders. Compounds of particular interest are defined by Formula (I) wherein Q, R_1, R_2, R_3 and R_4 are as described in the specification.



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